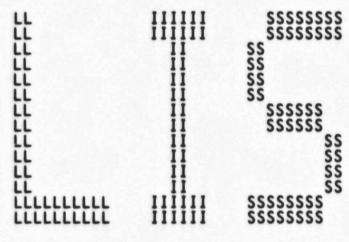
\$	**** **** **** ****	\$		00000000 00000000 00000000	AAAAAAAA AAAAAAAA AAAAAAAA
SSS	444 444 444	SSS	111	000 000	AAA AAA
SSS	777 777	SSS	LLL	000 000	AAA AAA
\$55	AAA AAA	\$22	LLL	000 000	AAA AAA
SSS	YYY YYY	SSS	LLL	000 000	AAA AAA
22222222	YYY	SSSSSSSSS	iii	000 000	AAA AAA
SSSSSSSS	YYY	SSSSSSSS	iii	000 000	AAA AAA
SSSSSSSS	YYY	SSSSSSSS	LLL	000 000	AAA AAA
\$55	YYY	555	III	000 000	AAAAAAAAAAA
SSS	777	SSS	LLL	000 000	
SSS	YYY	\$\$\$	iii	000 000	AAA
SSS	YYY	SSS	iii	000 000	AAA AAA
	YYY	222	LLL	000 000	AAA AAA
SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	ÄÄÄ	\$\$\$\$\$\$\$\$\$\$\$\$\$	ILLLILLILLILLI	000000000	AAA AAA
\$2222222222	YYY	\$		00000000	AAA AAA

_\$2

	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	RRRRRRRR RR	\$	BBBBBBBB BBBBBBBBB BB BB BB BB BB BB BBBBBB	77777777 777777777 777 777 777 777 777	333333 3333333 3333333 3333333 3333333 3333	000000 00 00 00 00	:::
11	111111	2222222						



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Page

16-SEP-1984 00:54:20 VAX/VMS Macro V04-00 13-SEP-1984 15:49:22 ESYSLOA.SRCJERRSUB.MAR;5

Page (1)

.NOSHOW CONDITIONALS

.TITLE ERRSUB730 - ERROR SUBROUTINES FOR VAX 11/730

.IDENT 'V04-002'

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: FACILITY:

EXECUTIVE, LOADABLE SUBROUTINES USED BY POWERFAIL AND BUGCHECK.

ABSTRACT:

LOADABLE SUBROUTINES USED BY POWERFAIL AND BUGCHECK.

AUTHOR:

444455555555555566666666677

N. KRONENBERG, JULY 2, 1979.

MODIFIED BY:

V04-003 WMC00001 Wayne Cardoza 13-Sep-1984 CRD reporting must not be turned off for VENUS.

V04-002 CWH4002 CW Hobbs 08-Sep-1984 Correct typo in TCM0010, use "-" instead of "="

V04-001 TCM0010 Trudy C. Matthews 07-Sep-1984 For the venus processor: move turning on cache from routine

(1)

ERRSUB730 V04-002

EXESINIPROCREG to a new routine: INISCACHE. Correct the order in which registers are saved on the stack in EXESREGSAVE. TCM0009 Trudy C. Matthews 30-Jul-1984 When turning off CRD interrupts in EXE\$INIPROCREG for VENUS, read the processor register and write it back to preserve the state of other bits in the register. V03-022 TCM0009 TCM0008 Trudy C. Matthews 23-Jul-1984
Remove venus code that gueries the console for how to set up cache and FBOX state. Instead always turn the cache and V03-021 TCM0008 FBOX on (and let the normal error handling code turn it off if its bad). V03-020 DWT0214 David W. Thiel 02-May-1984 Revise MicroVAX I TODR register simulation. V03-019 KDM0096 Kathleen D. Morse 27-Mar-1984 Add missing indirection in MicroVAX I memory CSR CRD enabling. KPL0101 Peter Lieberwirth 4-Mar-1984 Add extra vectors now defined in SYSLOAVEC. These vectors are insurance for v4.x V03-018 KPL0101 V03-017 KPL0100 Peter Lieberwirth 12-Feb-1984 Change RPB\$B_BOOTNDT to RPB\$W_BOOTNDT, since BI devices will have 16-bit device types. 101 102 103 104 105 106 107 V03-016 KDM0092 Kathleen D. Morse 23-Jan-1984 Correct the number of cpu-specific IPRs logged for the 11/730 and MicroVAX I cpus. 0000 0000 CWH8001 CW Hobbs 5-Dec-1983
Add entry points for EXE\$READP_TODR and EXE\$WRITEP_TODR to access physical TODR register for Nautilus CPU. For other processors, these amount to duplicate labels on EXE\$READ_TODR and EXE\$WRITE_TODR. V03-015 CWH8001 109 110 KTA3088 Kerbey T. Altmann 17-Oct. Fix bug in 730 conditional for EXE\$INIBOOTADP. V03-014 KTA3088 17-0ct-1983 Kathleen D. Morse V03-013 KDM0081 13-Sep-1983 Create Micro-VAX I version. V03-012 KDM0055 12-Jul-1983 Kathleen D. Morse Move IPR PME into the cpu-dependent register save and restore routines. V03-011 KDM0049 Kathleen D. Morse 07-Jul-1983 Add the following processor registers to the cpu-specific dump IPRs routine: ICR, TODR, ACCS. Add usage of register: EXE\$READ_TODR and EXE\$WRITE_TODR. KDM0048 Kathleen D. Morse 07-Jul-1983 Add loadable routines for referencing the time-of-day clock: EXE\$READ_TODR, EXE\$WRITE_TODR. V03-010 KDM0048

ERRSUB730 - ERROR SUBROUTINES FOR VAX 11/730 V04-002

16-SEP-1984 00:54:20 VAX/VMS Macro V04-00 13-SEP-1984 15:49:22 [SYSLOA.SRC]ERRSUB.MAR;5

Page (1)



EF V

```
MACRO LIBRARY CALLS:
                                                                                                               DEFINE ADAPTER OFFSETS
DEFINE BOOT QIO OFFSETS
DEFINE BOOT DEVICE TYPES
DEFINE ERROR MSG BUFFER OFFSETS
DEFINE INTERRUPT DISPACH OFFSETS
DEFINE INTERRUPT PRIORITY LEVELS
DEFINE MASSBUS ADAPTER OFFSETS
DEFINE NEXUS DEVICE TYPES
DEFINE INTERNAL PROCESSOR REGISTERS
DEFINE RESTART PARAM BLOCK OFFSETS
DEFINE SYSTEM STATUS CODES
DEFINE UNIBUS ADAPTER OFFSETS
                                                     SADPDEF
                                                     $BQODEF
                                                     $BTDDEF
                                                     SEMBCRDEF
                                                     $IDBDEF
                                                     $IPLDEF
                                                     $MBADEF
                                                     $NDTDEF
                                                     SPRDEF
                                                     SRPBDEF
                                                     $SSDEF
                                                     SUBADEF
                                                     SPR730DEF
                                                                                                               :DEFINE 11/730 INTERNAL PROCESSOR REGS
                                          EQUATED SYMBOLS:
00000000
                                                    C780_LIKE = 0
C750_LIKE = 1
                  0000
                  0000
                                          Define labels for two 'extra' routines. This reserves some vectors from SYS.EXE into SYSLOAxxx.EXE that can be patched if another routine must
                                          be added in between major releases.
                                     EXESEXTRA1::
EXESEXTRA2::
                                                                                                                   aligned
                                                                                                                     aligned
                                                                                                                      aligned
                                                                                                                        aligned
                                                                                                                          aligned
                                      EXESEXTRA6::
EXESEXTRA7::
                                                                                                                   packed
                                                                                                                     packed
                                      EXESEXTRA8::
                                                                                                                      packed
                                      EXESEXTRA9::
                                                                                                                        packed
                  0000
0000
0000
                                      EXESEXTRA10::
                                                                                                                          packed (think this is enough?)
           00
                                                     HALT
                                                                                                               : Error if these labels are used.
```

	- ERROR SU EXESINIBOO	BROUTINES FOR VAX 11/	730 16-SEP-1984 00 BOOT DEV 13-SEP-1984 15	:54:20 VAX/VMS Macro VO4-00 Page :49:22 [SYSLOA.SRC]ERRSUB.MAR;5	5 (4
	0001 0001 0001 0001 0001 0001 0001 000	258 : EXE\$INIBOOTAD 260 : THIS RO 261 : INPUTS: 263 : R6 = RP 265 : OUTPUTS: 266 : OUTPUTS: 267 : R0-R2 D 270 :- 271	OP - GET THE SYSTEM BOOT DUT!NE IS CALLED FROM BUG OB ADDRESS DESTROYED REGISTERS PRESERVED	DEVICE ADAPTER AND INIT IT. CHECK BEFORE THE BOOTDRIVER IS CALLED.	
	0000	273 .ENABLE	SYSLOA, LONG LSB		
	0000	275 EXE\$INIBOOTADP: 277 278 CMPB		; SUBROUTINE ENTRY	
66 A6 40 8F 2B 50 60 A6	91 0000 0003 13 0005 00 0007 000B 000B	278 CMPB 279 280 BEQL 281 MOVL 282 327	RPB\$B_DEVTYP(R6),- #BTD\$R_CONSOLE 40\$ RPB\$L_ADPVIR(R6),R0	; IS BOOT DEVICE THE CONSOLE ; BLOCK STORAGE DEVICE? ; YES, RETURN ; GET ADDR OF ADAPTER REG SPACE	
	000B 000B 000B 000B 000B	279 280 BEQL 281 MOVL 282 327 331 332 INI_UBADP: 333 341 343 347 349 MTPR		;INIT UBA	
37 00	DA 000B 000E 000E 000E	358 358	#0,#PR730\$_UBRESET	; INIT UBI AND UNIBUS	
	000E 000E 000E 000E 000E 000E	360 : CHECK THE VME 362 : SEE IF ANY UN 363 :	VERSION NUMBER. IF IT	EXISTS AND IF IT IS 7 OR GREATER, THEN SABLE.	
52 34 A6 51 10 A2 12 A2 51 07 10 A2 10 52 24 A2 0A	DO 000E B2 0012 B1 0016 12 001A B1 001C 1F 0020 D0 0022 13 0026 0028	360 : CHECK THE VME 362 : SEE IF ANY UN 363 : 364 365	RPB\$L_IOVEC(R6),R2 BQO\$W_VERSION(R2),R1 R1,BQO\$W_VERSION+2(R2) 40\$ BQO\$W_VERSION(R2),#7 40\$ BQO\$L_UMR_DIS(R2),R2 40\$;PICK UP THE IOVECTOR FROM RPB ;GET VMB VERSION NUMBER 1'S COMPLEMENTED ;CHECK AGAINST CHECK WORD IN VMB ;IF NOT, ASSUME NO VERSION NUMBER ;VERSION 7 OR GREATER OF VMB? ;NO, DON'T BOTH WITH UMR'S ;GRAB THE NUMBER OF UMR'S TO DISABLE ;NONE, LEAVE	D
	0028 0028 0028 0028 0028 0028	378 : 379 : THIS CODE IS 380 : REGISTERS ASS 381 : SBI AND UNIBU 382 : 383	SOCIATED WITH UNIBUS MEMO	ORS. ITS DISABLES ANY UNIBUS MAP	

ER

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- ERROR SUBROUTINES FOR VAX 11/730
                     - ERROR SUBROUTINES FOR VAX 11/730 16-SEP-1984 00:54:20 EXESSHUTDWNADP - SHUTDOWN ANY ADAPTERS D 13-SEP-1984 15:49:22
                                                                                                                          VAX/VMS Macro V04-00
[SYSLOA.SRC]ERRSUB.MAR;5
                                                                                                                                                                                 (5)
                                                                                                                                                                       Page
                                                                        EXESSHUTDWNADP - SHUTDOWN ANY ADAPTERS DURING BUGCHECK EXESSTARTUPADP - STARTUP ANY ADAPTERS
                                                 EXESSHUTDWNADP - SHUTDOWN ANY ADAPTERS DURING BUGCHECK
THIS ROUTINE IS CALLED FROM BUGCHECK BEFORE THE DUMP IS TAKEN TO
ENSURE THAT ALL ADAPTERS THAT NEED TO BE QUIESENT ARE.
                                                 INPUTS:
                                        400
401
402
403
404
405
406
407
                                                            IPL = 31
                                                 OUTPUTS:
                                                           OTHER REGISTERS PRESERVED
                                                            .ENABLE LSB
                                              EXESSTARTUPADP::
                                                                        #^M<RO,R1,R2,R4>
B^ADP_TBL_UP,R1
                                                            PUSHR
                                                                                                               : Save a register
: Address of startup table
  51
                                                            MOVAL
                                                            BRB
                                                                                                               : Join common code
                                              EXESSHUTDWNADP::
                                                                        #^M<RO,R1,R2,R4>
B^ADP_TBL_DWN,R1
a#<IOC$GL_ADPLIST--
ADP$L_LINK>,R2
ADP$L_LINK(R2),R2
                      BB
DE
DE
                                                            PUSHR
                                                                                                               : Save a register
: Address of shutdown table
FFFFFFFC'9F
                                                            MOVAL
                                              5$:
                                                            MOVAL
                                        Get pointer to head of adapter list
flink onward
Branch if at end of list
Get address of CSR
Get adapter type code
Get table entry of adap shutdown
Call adapter shutdown
                      DO 30 DE 16
  52
                                              105:
                                                            MOVL
                                                                        20$
                                                            BEQL
                                                                        ADPSL_CSR(R2),R4
ADPSW_ADPTYPE(R2),R0
(R1)[R0],R0
a(R0)[R0]
 50 0E A2
50 6140
00 B040
                                                            MOVL
                                                            MOVZWL
                                                            MOVAL
                                                            JSB
              E9
                                                            BRB
                                                                        10$
                                                                                                               ; Next adapter
              17
                                              20$:
                                                           POPR
                                                                        #^M<RO,R1,R2,R4>
                                                            RSB
                                                 Table of addresses of adapter shutdown routines ordered
                                                 by adapter type in ADP$W_ADPTYPE.
                                              ADP_TBL_DWN:
                                                                                                                  Address table start
0-MBA
                                                            . LONG
                                                                                                                 1-UBA
2-DR32
3-MA780
                                                            . LONG
                                                            . LONG
            FFFFFFEB
                                                            . LONG
                                                            . LONG
                                                                         CISSHUTDOWN-
                                                                                                                  4-CI
                                                            . LONG
                                                                                                                  Rsvrd for future expansion
                                                 Table of addresses of adapter startup routines ordered
                                                 by adapter type in ADP$W_ADPTYPE.
                                              ADP_TBL_UP:
                                                                                                              : Address table start
```

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- ERROR SUBROUTINES FOR VAX 11/730 16-SEP-1984 00:54:20 EXESDUMPCPUREG - DUMP CPU-SPECIFIC IPR'S 13-SEP-1984 15:49:22
                                                                                                                                                              Page
                                                    .SBTTL EXESDUMPCPUREG - DUMP CPU-SPECIFIC IPR'S
                                          DUMP CPU-SPECIFIC IPR'S INTO ERROR MESSAGE BUFFER.
                                          TWENTY-FOUR LONGWORDS ARE RESERVED IN THE EMB FOR CPU-SPECIFIC IPR'S. THE FORMATS FOR VARIOUS CPU'S ARE:
                                          11/780:
                                                                 11/750:
                                                                                          11/730:
                                                                                                                   11/790:
                                                                                                                                                          UVAX I:
                                                                                          I CR
TODR
                                                                                                                                                          UNUSED(0)
                                           TODR
                                                                 TODR
                                                                                                                    TODR
                                                                                                                                                          APPROX TODR
                                          ACCS
SBIFS
SBISC
SBIMT
SBIER
SBIS
16 SBI SILO
                                                                                          ACCS
21 UNUSED (0)
                                                                                                                                                          UNUSED (0)
                                                                                                                    SBISTS (1st SBI)
                                                                 TBDR
                                                                                                                                                          21 UNUSED(0)
                                                                                                                   SILOCMP
                                                                 CADR
                                                                 MCESR
                                                                                                                    MAINT
                                                                                                                    SBIERR
                                                                 CMIERR
                                                                                                                    TMOADDRS
                                                                 16 UNUSED(0)
                                                                                                                    16 SBI SILO
                                          INPUTS:
                                                    RO - ADDR IN EMB OF START OF CPU-SPECIFIC REGISTERS=
OFFSET EMB$L_CR_CPUREG
                                          OUTPUTS:
                                                    RO,R1 DESTROYED ALL OTHER REGISTERS PRESERVED
                                                    .ENABL LSB
                                       EXESDUMPCPUREG::
                                                                                                       :SUBROUTINE ENTRY
                                                                #PR730$_ICR,(R0)+
#PR730$_TODR,(R0)+
#PR730$_ACCS,(R0)+
#<<EMB$C_CR_CODE - EMB$L_CR_CPUREG>/4>-3, R1;-3 FOR ICR,
TODR, AND ACCS ALREADY LOGGED.
THERE ARE NO OTHER CPU-SPECIFIC
REGISTERS TO LOG, SO ZERO THE
R1, 10$; SPACE IN THE ERROR MSG BUFFER
80
80
80
51
               DB
DB
DB
DO
       1A
1B
28
15
                                                    MFPR
                                                    MFPR
                                                    MFPR
                                                    MOVL
       80
51
               D4
F5
                                       105:
                                                    CLRL
   FB
                                                    SOBGTR R1, 10$
                                       90$:
               05
                                                    .DISABLE LSB
```

#PR730\$_TODR,R0

; TODR IS A PROCESSOR REGISTER.

MFPR

RSB

50

1B

DB

V

RSB

00AB

00AB

05

EF

- ERROR SUBROUTINES FOR VAX 11/730 EXESREGSAVE - SAVE CPU-SPECIFIC IPR'S ERRSUB730 V04-002 VAX/VMS Macro V04-00 [SYSLOA.SRC]ERRSUB.MAR;5 12 Page .SBTTL EXESREGSAVE - SAVE CPU-SPECIFIC IPR'S EXESREGSAVE - CALLED BY POWERFAIL TO SAVE CPU-SPECIFIC IPR'S ON THE STACK INPUTS: NONE **OUTPUTS:** RO DESTROYED
OTHER GENERAL REGISTERS PRESERVED
IPR'S SAVED ON THE STACK AS FOLLOWS: 11/750: 11/780: 11/730: 11/790: uVAX I: 0(SP) 4(SP) 8(SP) PME TBDR PME SBIMT ACCS PME (none) CADR PME .ENABL LSB EXESREGSAVE:: SUBROUTINE ENTRY CLEAR RETURN FROM STACK 01 #^M<RO> POPR 00AE 00B1 00B1 00B1 00B3 00B3 **7E** 30 DB MFPR #PR730\$_PME,-(SP) ; SAVE PERFORMANCE MONITOR ENABLE 17 60 JMP (RO) ; DONE, RETURN .DSABL LSB

; DONE, RETURN

00B8

00B8

00BA 00BA JMP

.DSABL

(RO)

LSB

60

17

ER VO

(10)

: AND RETURN

30\$:

00EB 00EB

RSB

- ERROR SUBROUTINES FOR VAX 11/730 7 16-SEP-1984 00:54:20 VAX/VMS Macro V04-00 13-SEP-1984 15:49:22 [SYSLOA.SRC]ERRSUB.MAR;5 Page 15 (13) .SBTTL SYSLSCLRSBIA SYSL\$CLRSBIA - ON 11/790, CLEAR SBIA ERROR REGISTERS - ON 11/780, 11/750, 11/730, AND MICRO-VAX I, THIS IS A NOP THIS ROUTINE IS CALLED TO CLEAR OUT SBIA ERROR BITS AFTER A MACHINE CHECK OCCURS (WHEN MACHINE CHECK IS HANDLED LOCALLY). THIS ROUTINE SHOULD BE CALLED AT IPL 31. INPUTS: ABUS_TYPE - AN ARRAY TYPE CODES: IDENTIFIES EACH ADAPTER ON THE ABUS. - AN ARRAY OF ADAPTER SPACE VA'S FOR EACH ADAPTER ON THE ABUS. ABUS_VA OUTPUTS: SBI ERROR BITS ARE CLEARED FOR EACH SBIA ON THE ABUS. ALL REGISTERS PRESERVED. SYSLSCLRSBIA::

; AND RETURN

RSB

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Page

```
ERRSUB730
V04-002
```

```
- ERROR SUBROUTINES FOR VAX 11/730 EXESTEST_CSR
                                                                                              16-SEP-1984 00:54:20 VAX/VMS Macro V04-00
13-SEP-1984 15:49:22 [SYSLOA.SRC]ERRSUB.MAR;5
                                                                     .SBTTL EXESTEST_CSR
                                                            EXESTEST_CSR - TEST A UNIBUS CONTROLLER CSR FOR EXISTENCE
                                                            THIS TEST IS CPU-DEPENDENT. THE FOLLOWING CPU'S ARE SUPPORTED:
                                                                    11/780 -TEST CSR AND CHECK RESULT IN THE UBA STATUS REGISTER.

11/750 -NON-EXISTENT CSR IS REPORTED VIA MACHINE CHECK AS A
NON-EXISTENT MEMORY REFERENCE. CONNECT A TEMPORARY
MACHINE CHECK HANDLER, TEST THE CSR, AND RESTORE THE
ORIGINAL MACHINE CHECK HANDLER.

11/730 -ACTION IS THE SAME AS FOR THE 11/750.

11/790 -ACTION IS THE SAME AS FOR THE 11/780.
MICRO-VAX I -ACTION IS SAME AS FOR THE 11/750.
                                                            THIS SUBROUTINE SHOULD BE CALLED VIA BRANCH OR JUMP TO SUBROUTINE AT IPL 31.
                                                            INPUTS:
                                                                     RO = CSR ADDRESS
                                                                     R6 = ADAPTER CONFIGURATION REGISTER ADDRESS
                                                  1052
1053
1054
1055
                                                            OUTPUTS:
                                                                     RO LOW BIT SET/CLEAR FOR EXISTENT/NONEX CSR
                                                                     OTHER REGISTERS PRESERVED.
                                                  1056
                                                  1058
                                                                     .ENABL LSB
                                                  1060
1061
1062
1063
                                                        EXESTEST_CSR::
                                                                                                                    :SUBROUTINE ENTRY
                            06
                                   BB
                                                                     PUSHR
                                                                                #^M<R1,R2>
                                                                                                                    :SAVE REGISTERS
                          00000024
                                                                     MCK_BER = "X24
                                                                                                                    OFFSET INTO 750 MACHINE CHECK FRAME
                                                                                                                    ; FOR BUS ERROR REGISTER
                          00000003
                                                                     NEX
                                                                                                                    : BIT POSITION FOR NON-EXISTENT MEMORY
                                                            Test for non-UNIBUS I/O space addres first (IDC specific code)
                                         00EE
00F6
00F9
00FB
00FE
0100
                                                                                                                    GET LOWEST LEGAL ADDRESS IS CSR GREATER ? :IF YES, DO CHECK
              00000800
                                                                                #512*4,R6,R1
51
       56
                                                                     ADDL3
                                   D1
1A
9A
11
                                                                                 RO R1
                                                                     CMPL
                                                                     BGTRU
                           01
                                                  1138
1139
                                                                                #SS$_NORMAL,RO
TEST_DONE_2
                                                                                                                    :NO CHECK TO DO, EXIT
                    50
                                                                     MOVZBL
                                                                     BRB
                                                                                 G^EXESGL_SCB,R1
                                                                                                                    GET SCB ADDRESS
              00000000 GF
                                   DO
                                         0100
                                                                     MOVL
                                                                                                                    SAVE CURRENT MCHECK HANDLER ADDR
                                   DO DESA
                                                                     PUSHL
                       04
                                         010A
010D
0112
0114
0117
                                                                     MOVL
                                                                                                                    CONNECT TEMP MCHECK HANDLER
                                                                                 BAMCHK_HANDLER,4(R1)
           04 A1
                                                                     MOVAL
                            60
                                                                     TSTW
                                                                                                                    ; IF NO MCHECK, SET STATUS TO
                     50
                                                         OK:
                                                                     MOVZBL
                                                                                 #SS$_NORMAL,RO
                                                                                                                      SUCCESS
                                                                                                                    JOIN COMMON EXIT
                            1B
                                                                     BRB
                                                                                 TEST_DONE
```

Page 17 (14)

SET STATUS TO FAILURE

RESTORE REGISTERS RETURN RESULT TO CALLER

RESTORE SYSTEM MCHECK HANDLER

ERRSUB730 V04-002			- ER	ROR SU	BROUTINE SR	S FOR VAX 11/	730 16-SEP-1984 13-SEP-1984	00:54:20 15:49:22	VAX/VMS Macro V04-00 ESYSLOA.SRCJERRSUB.MAR;	;
				0119 0119 0119	1151 1152 1153	TEMPORARY CSR	TEST MACHINE CHECK HA	NDLER		
				0119 0119 0110	1154 1155 1156 MG	ALIGN	LONG	:REQ'D	MACHINE CHECK ALIGNMENT	
	26	OF.	DA	011C 011C 011F 011F	1161 1163 1165 1169	MTPR	#^XF , #PR730\$_MCESR	;CLEAR	NON-EX MEMORY CONDITION	
	50 50 50 E2 50	08 6E 04 24 AE 52 03	D0 D1 13 D0 D0 E1	011F 011F 0122 0125 0127 012B 012E	1169 1170 1172 1173 1174 1175 1176 50	MOVL CMPL BEQL MOVL MOVL BBC	#<1anex>,RO (SP),#^xOC 50\$ MCK_BER(SP),RO R2,SP #NEX,RO,OK	; YES, T ; SAVE B ; CLEAR	S A 730 FRAME? HEN DON'T CHECK FURTHER US ERROR REGISTER MCHECK INFO FROM STACK EXISTS, PARITY FAILURE	

TEST_DONE:
POPL
TEST_DONE_2:
POPR #^M<R.
RSB
.DISABLE LSB

06

#^M<R1,R2>

.END

ADP\$L_CSR	ERRSUB730 Symbol table	- ERROR SUBROUTINES FOR VAX		16-SEP-1984 00:54:20 VAX/VMS Macro V04-00 13-SEP-1984 15:49:22 [SYSLOA.SRC]ERRSUB.MAR;5	Page 19 (15
EXESPECIÓN DI MADDE EXESSITATUDANDD EXESTEST CSR EXESV_CRDENABL EX	EMBSL CR CPUREG EXESDOMPCPUREG EXESENTRA1 EXESENTRA2 EXESENTRA3 EXESENTRA3 EXESENTRA5 EXESENTRA6 EXESENTRA6 EXESENTRA7 EXESENTRA9 EXESENTRA9 EXESENTRA9 EXESENTRA9 EXESENTRAP EXESENTRAP EXESENTRAP EXESENTRAP EXESPECTOR EXESREAD TODR EXESREAD TODR EXESREAD TODR EXESREAD TODR EXESREAD TODR EXESSHUTDWNADP EXESSTARTUPADP EXESSTARTUPADP EXESSTARTUPADP EXESSTARTUPADP EXESSITE TODR INI UBADP IOCSGL ADPLIST MASINITIAL MCHK HANDLER MCK BER MMGSGL SBICONF NEX NONEX DEV OK PRS ICCS PRS SID TYP730 PRS SID TYP790 PRS SID TYP790	00000000 RG 01 00000000 RG 03 000000000 RG 03 00000000 RG 03 00000000 RG 03 0000000000 RG 03 00000000 RG 03 000000000 RG 03 00000000 RG 03 00	R730S-ACCS R730S-ICR R730S-MCESR R730S-NICR R730S-DME R730S-UBRESET PBSB-DEVTYP PBSL-ADPVIR PBSL-IOVEC SS NORMAL YSCSCLRSBIA EST-DONE EST-DONE EST-DONE EST-DONE BASINITIAL BASL_MAP	= 00000028 = 0000019 = 00000019 = 00000066 = 0000066 = 00000060 = 0000001 = 00000018 RG 03 00000138 R 03 ********** X 03 = 00000800	

ERRSUB730
Psect synopsis

- ERROR SUBROUTINES FOR VAX 11/730

PSECT name

ABS

SABS\$

SYSLOA

BLANK .

16-SEP-1984 00:54:20 VAX/VMS Macro V04-00 13-SEP-1984 15:49:22 [SYSLOA.SRC]ERRSUB.MAR;5

Page 20

Psect synopsis!

Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization .	107 343	00:00:00.05	00:00:01.01
Command processing	107	00:00:00.48	00:00:05.05
Pass 1	545	00:00:07.38	00:00:29.02
Symbol table sort Pass 2 Symbol table output Psect synopsis output	131	00:00:01.06	00:00:04.97
Pass 2	131	00:00:01.98	00:00:10.41
Symbol table output	3	00:00:00.03	00:00:00.03
rsect synopsis output	6	00:00:00.02	00:00:00.01
Cross-reference output Assembler run totals	623	00:00:00.00	00:00:00.00
wasewores in forers	023	00:00:11.02	00:00:00.00

The working set limit was 1500 pages.
70472 bytes (138 pages) of virtual memory were used to buffer the intermediate code.
There were 60 pages of symbol table space allocated to hold 1061 non-local and 14 local symbols.
1222 source lines were read in Pass 1, producing 16 object records in Pass 2.
20 pages of virtual memory were used to define 19 macros.

! Macro library statistics !

Macro Library name Macros defined

\$255\$DUA28:[SYS.OBJ]LIB.MLB;1

\$255\$DUA28:[SYSLIB]STARLET.MLB;2

TOTALS (all libraries)

Macros defined

10

10

1124 GETS were required to define 16 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$: ERRSUB730/OBJ=OBJ\$: ERRSUB730 MSRC\$: CPUSW730/UPDATE=(ENH\$: CPUSW730)+MSRC\$: ERRSUB/UPDATE=(ENH\$: ERRSUB)+EXECML\$/LIB

0395 AH-BT13A-SE

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